

Eclipse AirHeat v1

Applications

Eclipse AirHeat v1 line type burners are ideal for generating volumes of clean, hot air. Applications include ovens, dryers, fume incinerators, and similar industrial equipment.

Some models feature an integral combustion air blower mounted on the burner's steel case. By supplying the correct air volume and pressure to the burner, the blower allows stable operation over a wide range of duct velocities without installing a profile plate around the burner. The burner can also be paired with a remote blower for use in recirculating air applications.



Versatility

The compact, modular design of the AirHeat v1 burners offer a wide variety of configurations to fit nearly any application requirement.

RAH burners for recirculating systems (remote blower), AH-O for open back designs, TAH for "T" sections and CAH for Cross sections. TAH and CAH are also available in recirculating systems and open back designs.

Features and benefits

- Industry standard, modular line style burner
- Wide variety of configurations and packages available depending on application requirements
- Up to 40:1 Thermal turndown
- Operates on any commercially available gas-natural gas or propane; butane versions available
- As little as 10% excess air at high fire; and depending on the installation configuration, no oxygen is required from the process air stream.
- Burner mounting arrangements include duct mounting, or side-plate mounting for simplified installation.
- Robust, reliable operation based on vast history and experience.

BURNER TYPE	AH	RAH	AH-O
APPLICATION	Standard Duct Systems	Recirculating Streams	Open Back Design
BLOWER	Integral	Remote	N/A
AIR STREAM O ₂ REQUIREMENTS	None (if combustion air supply is outside duct)	None	18% Minimum
DUCT VELOCITY	250 – 6000 fpm (1.5 – 30 m/s)	250 – 6000 fpm (1.5 – 30 m/s)	Requires 0.4” to 1” (10mm to 25mm) dP air stream pressure drop across burner
INPUT	Up to 1M Btu/hr/ft (293 kW)	Up to 1M Btu/hr/ft (293 kW)	Up to 1M Btu/hr/ft (293 kW)
TURNDOWN	Up to 40:1	Up to 40:1	Up to 40:1
OPTIONS	Bottom Mounted Blower	High Temp	High Temp

For more information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Controls, Honeywell Combustion Safety, Honeywell Combustion Service, Eclipse, Exothermics, Hauck, Kromschröder and Maxon. To learn more about our products, visit ThermalSolutions.honeywell.com or contact your Honeywell Sales Engineer.

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We reserve the right to make technical modifications in the interests of progress.

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